



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

# 2  
8-16-02

Application Serial No. .... 10/082,599  
Filing Date ..... February 22, 2002  
Inventor ..... Craig M. Carpenter, et al.  
Assignee ..... Micron Technology, Inc.  
Group Art Unit ..... 2812  
Examiner ..... Unknown  
Attorney's Docket No. .... MI22-1941  
Title: Interfacial Structure for Semiconductor Substrate Processing Chambers and  
Substrate Transfer Chambers and for Semiconductor Substrate Processing  
Chambers and Accessory Attachments, and Semiconductor Substrate  
Processor

**POWER OF ATTORNEY BY ASSIGNEE AND CERTIFICATE BY ASSIGNEE**  
**UNDER 37 CFR § 3.73(b)**

To: Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

**MICRON TECHNOLOGY, INC.**, the Assignee of the entire right, title and  
interest in the above-identified patent application by assignment attached hereto,  
hereby appoints the attorneys and agents of the firm of WELLS ST. JOHN P.S.,  
listed as follows:

David P. Roberts	Reg. No. 23,032
Randy A. Gregory	Reg. No. 30,386
Mark S. Matkin	Reg. No. 32,268
James L. Price	Reg. No. 27,376
Deepak Malhotra	Reg. No. 33,560
Mark W. Hendricksen	Reg. No. 32,356
David G. Latwesen	Reg. No. 38,533
George G. Grigel	Reg. No. 31,166
Keith D. Grzelak	Reg. No. 37,144
James D. Shaurette	Reg. No. 39,833
Frederick M. Fliegel	Reg. No. 36,138
D. Brent Kenady	Reg. No. 40,045
James E. Lake	Reg. No. 44,854
Jennifer J. Taylor	Reg. No. 48,711

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JUL 16 2002  
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and also attorneys Michael L. Lynch (Reg. No. 30,871) and Charles B. Brantley II (Reg. No. 38,086) of Micron Technology, Inc., as its attorneys with full power of substitution to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

The Assignee certifies that the above-identified Assignment has been reviewed and to the best of Assignee's knowledge and belief, title is in the Assignee, and a copy of the Assignment is submitted herewith.

Please direct all correspondence regarding this application to:

Customer No. 021567  
Wells St. John P.S.  
Attn: Mark S. Matkin  
601 West First Avenue, Suite 1300  
Spokane, WA 99201-3828  
Telephone: (509) 624-4276  
Facsimile: (509) 838-3424

MICRON TECHNOLOGY, INC.

Dated: 7-1-02

By: 

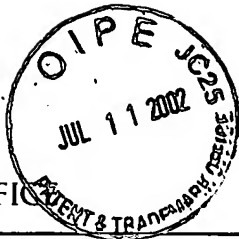
Name: Michael L. Lynch, Esq.

Title: Chief Patent Counsel

*Attachments: Copy of Assignment; Copy of Board of Directors' Resolution*



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE



MAY 01, 2002

PTAS

Commissioner for Trademarks  
Arlington, VA 22202-3513  
www.uspto.gov

WELLS ST. JOHN P.S.  
MARK S. MATKIN  
601 WEST FIRST AVENUE, SUITE 1300  
SPOKANE, WA 99201-3828



\*102009559A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/22/2002

REEL/FRAME: 012643/0148  
NUMBER OF PAGES: 8

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
CARPENTER, CRAIG M.

DOC DATE: 02/20/2002

ASSIGNOR:  
DANDO, ROSS S.

DOC DATE: 02/20/2002

ASSIGNOR:  
MARDIAN, ALLEN P.

DOC DATE: 02/20/2002

ASSIGNOR:  
HAMER, KEVIN T.

DOC DATE: 02/20/2002

ASSIGNOR:  
CANTIN, RAYNALD B.

DOC DATE: 02/20/2002

ASSIGNOR:  
CAMPBELL, PHILIP H.

DOC DATE: 02/20/2002

ASSIGNOR:  
TSCHEPEN, KIMBERLY R.

DOC DATE: 02/20/2002

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JUL 16 2002  
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012643/0148 PAGE 2

ASSIGNOR:

MERCIL, RANDY W.

DOC DATE: 02/20/2002

ASSIGNEE:

MICRON TECHNOLOGY, INC.  
8000 SOUTH FEDERAL WAY  
BOISE, IDAHO 83716

SERIAL NUMBER: 10082599

FILING DATE: 02/22/2002

PATENT NUMBER:

ISSUE DATE:

THERESA FREDERICK, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

03-11-2002

HEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Tab settings == == ▾



-Y

EV026159386

To the Honorable Commissioner,

102009559

and the attached original documents or copy thereof.

1. Name of conveying party(ies):

Craig M. Carpenter Raynald B. Cantin  
Ross S. Dando Philip H. Campbell  
Allen P. Mardian Kimberly R. Tschepern  
Kevin T. Hamer Randy W. Mercil

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

MRO 2/22/2

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: February 20, 2002

2. Name and address of receiving party(ies):

Name: Micron Technology, Inc.

Internal Address:

Street Address: 8000 South Federal Way

City: Boise State: ID ZIP: 83716

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: February 20, 2002

A. Patent Application No.(s)

B. Patent No.(s)

10082599

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Mark S. Matkin

Internal Address: Wells St. John P.S.

Street Address: 601 West First Avenue, Suite 1300

City: Spokane State: WA ZIP: 99201-3828

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41) ..... \$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

23-0925

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Mark S. Matkin

Name of Person Signing

Signature

2/22/02

Date

Total number of pages including cover sheet, attachments, and document:

8

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

03/05/2002 EFL0RES 00000049 10082599

04 FC:581

40.00 DP

**ASSIGNMENT****PARTIES TO THE ASSIGNMENT:****INVENTORS:**

Craig M. Carpenter  
Ross S. Dando  
Allen P. Mardian  
Kevin T. Hamer  
Raynald B. Cantin  
Philip H. Campbell  
Kimberly R. Tschepen  
Randy W. Mercil

**ASSIGNEE:**

Micron Technology, Inc.  
Corporation of the State of Delaware  
8000 South Federal Way  
Boise, Idaho 83716

**BACKGROUND OF THIS ASSIGNMENT:**

Inventors have conceived certain new and useful inventions disclosed in a United States patent application titled "Interfacial Structure for Semiconductor Substrate Processing Chambers and Substrate Transfer Chambers and for Semiconductor Substrate Processing Chambers and Accessory Attachments, and Semiconductor Substrate Processor".

MICRON TECHNOLOGY, INC. (hereinafter referred to as "ASSIGNEE") desires to acquire the entire right, title and interest in said inventions and with respect to any Letters Patent that may be granted with respect to the inventions in both the United States and in all foreign countries.

**THE PARTIES AGREE AS FOLLOWS:**

In consideration of good and valuable consideration, the receipt sufficiency and adequacy of which is hereby acknowledged, INVENTORS hereby sell, assign

and transfer to ASSIGNEE the entire right, title and interest in the above-identified application executed currently with this assignment and to any reissues, renewals, divisions or continuations thereof, and hereby authorizes the Commissioner of Patents and Trademarks to issue such Letters Patent to ASSIGNEE for the sole use of ASSIGNEE, its successors or assigns.

INVENTORS further agree to execute, at the request and expense of ASSIGNEE such other formal documents as may be required to fully convey the interest transferred herein and will similarly execute any application papers required for the filing of any division, continuation, renewal or reissue of the patent application or resulting Letters Patent; and will generally do everything necessary or desirable to obtain and enforce proper protection for the inventions assigned hereby.

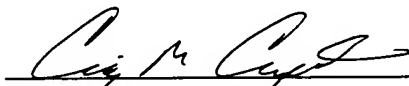
INVENTORS further assign to ASSIGNEE the whole right, title and interest in the inventions disclosed in the application throughout all countries foreign to the United States. ASSIGNEE is hereby authorized to apply for patents relating to the inventions in its own name in countries where such procedure is proper; to claim the benefit of the International Convention; to file and prosecute International Applications relating to the inventions under the Patent Cooperation Treaty; and to file and prosecute applications relating to the inventions under the European Patent Convention. INVENTORS agree to execute applications relating to the inventions in those countries and under those conventions where it is necessary that the same be executed by the inventor, and to execute assignments of such applications and the resulting Letters Patent to ASSIGNEE as well as all other necessary papers in relation to such applications and the

resulting Letters Patent to ASSIGNEE as well as all other necessary papers in relation to such applications and Letters Patent.

INVENTORS further warrant and covenant that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full rights to convey the same as herein expressed is possessed by the undersigned.

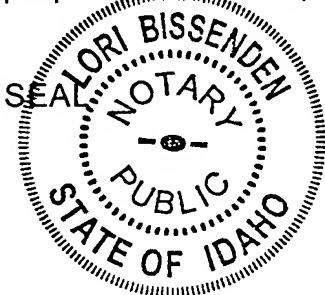
To be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignees.

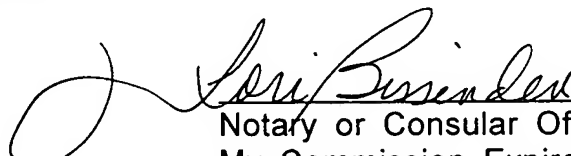
Dated: 02/18/2002

Signature:   
Craig M. Carpenter

State of Idaho )  
County of Ada ) ss.

BEFORE ME, this 18<sup>th</sup> day of February, 2002, personally appeared the above-named inventor, known to me to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



  
Notary or Consular Officer  
My Commission Expires: 6/12/2004



Dated: 02/18/2002

Signature: \_\_\_\_\_

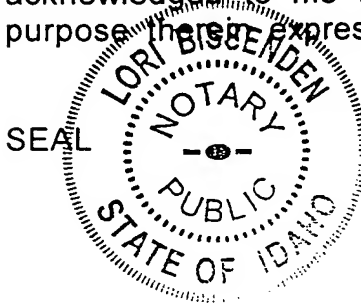
Ross S. Dando

State of Idaho )

) ss.

County of Ada )

BEFORE ME, this 18<sup>th</sup> day of February, 2002, personally appeared the above-named inventor, known to me to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



\_\_\_\_\_  
Lori Bissenden

Notary or Consular Officer

My Commission Expires: 6/12/2004

Dated: 2/18/02

Signature: \_\_\_\_\_

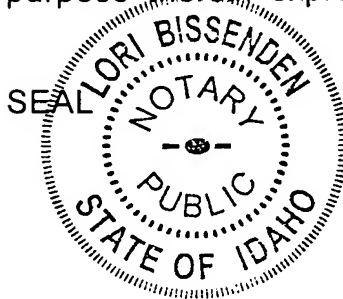
Allen P. Mardian

State of Idaho )

) ss.

County of Ada )

BEFORE ME, this 18<sup>th</sup> day of February, 2002, personally appeared the above-named inventor, known to me to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



\_\_\_\_\_  
Lori Bissenden

Notary or Consular Officer

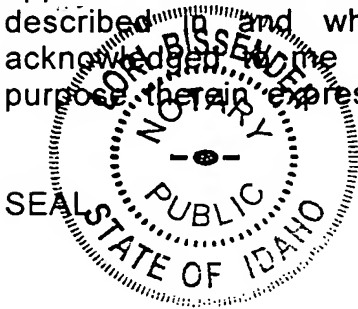
My Commission Expires: 6/12/2004

Dated: 2/18/2002

Signature: *K. T. Hamer*  
Kevin T. Hamer

State of Idaho )  
County of Ada ) ss.

BEFORE ME, this 18<sup>th</sup> day of February, 2002, personally appeared the above-named inventor, known to me to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



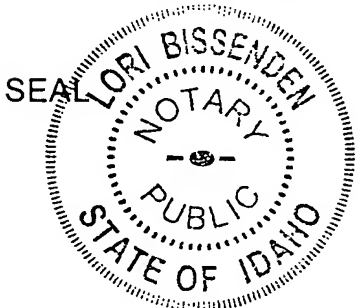
*Lori Bissenden*  
Notary or Consular Officer  
My Commission Expires: 6/12/2004

Dated: Feb. 18, 2002

Signature: *Raynald B. Cantin*  
Raynald B. Cantin

State of Idaho )  
County of Ada ) ss.

BEFORE ME, this 18<sup>th</sup> day of February, 2002, personally appeared the above-named inventor, known to me to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



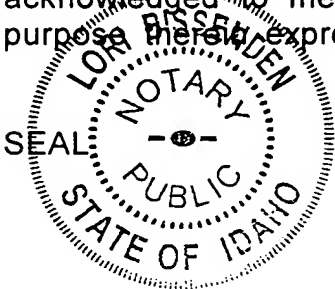
*Lori Bissenden*  
Notary or Consular Officer  
My Commission Expires: 6/12/2004

Dated: 02-19-02

Signature:   
Philip H. Campbell

State of Idaho )  
County of Ada ) ss.

BEFORE ME, this 19<sup>th</sup> day of February, 2002, personally appeared the above-named inventor, known to me to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



  
Notary or Consular Officer  
My Commission Expires: 6/12/2004

Dated: \_\_\_\_\_

Signature: \_\_\_\_\_  
Kimberly R. Tschepen

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.

BEFORE ME, this \_\_\_\_\_ day of \_\_\_\_\_, 2002, personally appeared the above-named inventor, known to me to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that she executed the same of her own free will for the purpose therein expressed.

SEAL

\_\_\_\_\_  
Notary or Consular Officer  
My Commission Expires: \_\_\_\_\_

Dated: \_\_\_\_\_

Signature: \_\_\_\_\_

Randy W. Mercil

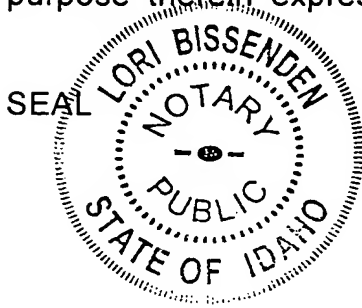
2/20/02

State of Idaho )

County of Ada )

ss.

BEFORE ME, this 20<sup>th</sup> day of February, 2002, personally appeared the above-named inventor, known to me to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



Lori Bissenden

Notary or Consular Officer

My Commission Expires: 6/12/2004

MICRON TECHNOLOGY, INC.  
CERTIFIED COPY OF RESOLUTIONS

I, Jan R. Reimer, the Assistant Secretary of Micron Technology, Inc. do hereby certify, that the resolutions attached hereto represent a complete, true and correct copy of the resolutions duly adopted by the Board of Directors of Micron Technology, Inc., a corporation duly organized and existing under the laws of the State of Delaware, at a meeting duly held on March 25, 1996, a quorum being present, and have been entered into the minutes of said meeting; that I am the keeper of the corporate seal and of the minutes and records of this Corporation; and that the said resolutions have not been rescinded or modified.

The resolutions attached hereto are in conformity with the Articles of Incorporation and Bylaws of the Corporation and are now in full force and effect.

I further certify that the person whose name and signature is set out below is the person authorized to act for said corporation in transactions with and pursuant to the foregoing resolutions, and that such person is now duly qualified and acting in his respective capacity:

## NAME AND TITLE

## SIGNATURE

Michael L. Lynch, Assistant General  
Counsel for Intellectual Property



IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed the seal of the said corporation, this 16th day of May, 1996.

  
Jan R. Reimer, Assistant Secretary

(SEAL)

**MICRON TECHNOLOGY, INC.  
BOARD OF DIRECTORS RESOLUTIONS**

WHEREAS, certain key employees require the authority to execute certain documents on behalf of the Company in order to enable them to effectively and efficiently carry out their responsibilities and duties to the Company.

NOW THEREFORE BE IT RESOLVED, that the Board hereby approves and authorizes Mr. Michael L. Lynch, Assistant General Counsel for Intellectual Property, to execute on behalf of the Company, documents pertaining to the Company's patent prosecution matters, including but not limited to documents relating to representation before a patent examining authority, patent terms and other patent prosecution procedures, both in the United States and other countries, upon such terms and conditions as the General Counsel of the Company shall deem necessary or appropriate.